

In The Claims

1. (Canceled)
2. (Canceled)
3. (Previously Presented) A burner assembly according to claim 22 wherein said heat exchanger tubes are those of a multi flue heat exchanger.
4. (Canceled)
5. (Previously Presented) A burner assembly according to claim 22 wherein said single, planar burner plate includes one port for each said heat exchanger tube.
6. (Previously Presented) A burner assembly according to claim 5 wherein said ports are spaced to match spacing of said heat exchanger tubes.
7. (Previously Presented) A burner assembly according to claim 22 wherein said plurality of ports form a group and have a number of spaced groups.
8. (Previously Presented) A burner assembly according to claim 7 wherein said groups of ports are spaced to match spacing of said heat exchanger tubes.

9. (Previously Presented) A burner assembly according to claim 22 wherein a number of ports or groups of ports differs from a number of said heat exchanger inlets.
10. (Previously Presented) A burner assembly according to claim 9 wherein said heat exchanger inlets are supplied from a number of ports or groups of ports greater than the number of inlets.
11. (Previously Presented) A burner assembly according to claim 9 wherein said heat exchanger inlets are supplied from a number of ports or groups of ports less than the number of inlets.
12. (Previously Presented) A burner assembly according to claim 22 wherein said single, planar burner plate is mounted and located within a housing with the housing formed, and the plate positioned, such that a combustion chamber is defined on a side of the plate facing said heat exchanger tubes.
13. (Previously Presented) A burner assembly according to claim 12 wherein the combustion chamber is common for each of said ports, and hence each of said heat exchanger tubes supplied via said ports.
14. (Previously Presented) A burner assembly according to claim 12 wherein a single injector supplies gas into a cavity of a body member attached to said single, planar burner plate.

15. (Previously Presented) A burner assembly according to claim 22 wherein a diffuser or distributor is provided in the body member to improve the gas/air mixture.
16. (Previously Presented) A burner assembly according to claim 15 wherein the diffuser is a perforated diffuser.
17. (Canceled)
18. (Previously Presented) A burner assembly according to claim 22 wherein said ports are in the form of circular apertures.
19. (Previously Presented) A burner assembly according to claim 22 wherein said ports are in the form of slots.
20. (Previously Presented) A burner assembly according to claim 22 wherein the gas/air mixture is fully premixed.
21. (Previously Presented) A burner assembly according to claim 22 wherein the gas/air mixture is partially premixed.
22. (Currently Amended) A burner assembly, said burner assembly comprising:
a housing providing a combustion chamber, said combustion chamber having a series of

spaced heat exchanger tubes;

a body having a single gas supply leading into a cavity defined within the body acting as a mixing chamber in which gas and air mixes;

a single, planer burner plate having a plurality of ports or group of ports having a center aperture surrounded by a series of ports on an annular path arranged in a spaced configuration and attached to a front end of the body, said plate being disposed in relation to the combustion chamber;

said series of heat exchanger tubes being arranged in a predefined configuration; and

wherein said gas and air mixture can leave[[s]] the cavity via each of the plurality of ports or group of ports[,]] and combusts upon passing through said ports such that the single planar burner plate forms a flamestrip, said heat exchanger tubes having a series of inlets, and said burner plate ports provided at spaced locations so as to allow heat and/or flame to be directed to said heat exchanger tube inlets by the burner assembly.

23. (Previously Presented) A burner assembly according to claim 22 wherein the configuration of the ports or groups of ports matches the configuration of the heat exchanger tube inlets such that at least one of the ports is positioned adjacent each of the heat exchanger tube inlets.

24. (Previously Presented) A burner assembly according to claim 22 wherein the number of ports or groups of ports matches the number of inlets.

25. (Canceled)

26. (Canceled)

27. (Currently Amended) A burner assembly for connection to a heat exchanger, said burner assembly comprising:

a series of spaced heat exchanger tubes, wherein the burner assembly is provided with a single, planar burner plate disposed in relation to a chamber, said chamber conveying a pre-mixed gas and air mixture to a side of said burner plate and said single, planar burner plate including a plurality of ports having a center aperture surrounded by a series of ports or groups of ports formed therein in spaced configuration, and through which the premixed gas/air mixture leaves said burner by passing from said chamber through each of said ports in the burner plate, said premixed gas air mixture being ignitable upon passing through said ports such that said plate forms a flamestrip, said heat exchanger tubes having a series of inlets and said ports being arranged to direct said ignited mixture into each inlet so as to allow heat and/or flame to be provided to said inlets by the common burner assembly.

28. (Currently Amended) A burner assembly for connection to a heat exchanger, said burner assembly comprising:

a series of spaced heat exchanger tubes, the burner assembly is provided with a single, planar burner plate disposed in relation to a chamber, said chamber conveying a premixed gas/air in a mixture to a side of said burner plate and said single, planar burner plate including a plurality of groups of ports, each group of ports having a center aperture surrounded by a series of ports, said groups of ports formed therein in spaced configuration, through which the pre-mixed gas/air mixture

leaves said burner through each of said ports, said premixed gas/air mixture being ignitable upon passing through said ports such that said plate forms a flamestrip, said heat exchanger tubes having a series of inlets and said ports being arranged to direct said ignited mixture into each inlet so as to allow heat and/or flame to be provided to said inlets by the common burner assembly and wherein each group of ports includes a large center aperture surrounded by the series of ports which are small in size.

29. (Previously Presented) A burner assembly according to claim 28 wherein said series of ports are provided in an annular path.